

## **ACEC-DOT BRIDGE SUBCOMMITTEE**

### **Minutes of February 6, 2006 Meeting**

#### **Attendees:**

Greg Perfetti, NCDOT (Co-Chair)  
Allen Raynor, NCDOT  
Lonnie Brooks, NCDOT  
Kevin Austin, BHME  
David Ruggles, Stewart Engineering (Co-Chair)  
Tim Rountree, RWA  
Domenic Coletti HDR Engineering  
Rodney Money, TY Lin

#### **I. 2006 Outlook**

Refer to last meeting's minutes for 2006 outlook

#### **II. Joint Training Opportunities**

A two day FHWA seminar on LRFD superstructure design is scheduled for this March. The first day will cover prestressed concrete design and the second day will cover structural steel design. This seminar will be open to consultants on a limited basis.

There will also be a LRFD substructure design seminar scheduled to coincide with the NCDOT RC-Pier training. This is a NHI initiative and will be open to consultants depending on availability. A date for the substructure seminar has not yet been established.

A lunchtime workshop will be held on March 21 on integral end bent design. There will be 25 spots for consultants and 25 spots for NCDOT personnel. The announcement will be sent at the end of February. This is the first in a possible series of lunchtime workshops to provide technical information and to increase consistency of designs among bridge designers. The March 21 workshop will provide 1 PDH for participants.

#### **III. Bridge Policy Changes**

There is a new policy memo that has been issued since the August meeting:

**TVA** – Contact information for TVA submittals has been updated.

**Diaphragms for Prestressed Girders** – The Structure Unit is working on a detail for steel diaphragms for bulb tee girders. The steel intermediate diaphragm details for Type II, III, and IV Girders are available at the link below.

All of these memos are available on the Structure Design Web Page at:

<http://www.doh.dot.state.nc.us/preconstruct/highway/structur/polmemo/>

There was a discussion about time and level of review required for Working Drawing submittals. The FHWA has published a document with recommended guidelines for Working Drawing Reviews. There is a special provision that outlines the allowable review time for various categories of submittals. The Structure Unit is studying this topic internally and will report their findings through NCDOT channels. The important issue for Working Drawing Reviews is that there should be consistency among the various reviewers.

#### **IV. Design Build Unit and Status of upcoming Design-Bid-Build/Design-Build**

Design build Information is available on the Project services Unit Web page at:

[http://www.doh.dot.state.nc.us/construction/ps/altern/design\\_build/default.html](http://www.doh.dot.state.nc.us/construction/ps/altern/design_build/default.html)

#### **V. LRFD Specifications**

The implementation of LRFD by NCDOT will not occur before 2007. The implementation may occur after 2006 interim LRFD specifications are issued. The Structure Design Manual will be revised to be compatible with LRFD specifications in 2007.

#### **VI. Next Meeting**

The next bridge subcommittee meeting will be on **Monday May 1, 2006** at 9:00 a.m. in Structure Design Conference Room B.